# Wireless PIR motion detector

Code: JA-154P



The JA-154P is a modern wireless PIR motion detector designed for the protection of standard interiors. It detects the movement of persons within a monitored area with high resistance to false alarms. The product represents a full replacement for the older JA-150P model and is designed for reliable operation within the JABLOTRON 100+ and Mercury systems.

## Product description:

The detector utilises advanced digital signal processing and two-way asynchronous communication, ensuring excellent immunity and detection stability in various types of indoor installations.

- **High detection reliability**: The detection characteristics cover an angle of 110° with a range of up to 12 metres, while digital signal filtration minimises the risk of false alarms.
- **Two-way communication**: The use of an asynchronous protocol increases data transmission security and enables efficient power management. **All detector settings are managed via configuration software; this eliminates the need for site visits or opening the cover to access setting switches.**
- **Optimised power supply**: The detector is powered by two 1.5 V AA alkaline batteries with a typical service life of approximately 4 years, reducing regular maintenance requirements.
- **Suitable mounting**: The recommended installation height is 2.2 to 2.5 metres above floor level.
- **Comprehensive protection**: The device is equipped with tamper contacts that immediately signal the opening of the cover or the removal of the detector from the wall.
- **System compatibility**: The module is fully supported by the JA-102K, JA-103K, JA-107K, JA-108K series control panels, as well as JA-152KRY wireless variants.
- **Certified security**: The product is certified to Security Grade 2 according to the European EN 50131 standards.

Thanks to its compact dimensions and **timeless design**, the detector **blends inconspicuously into any interior** without appearing intrusive. To ensure optimal performance, we recommend avoiding installation near heat sources (radiators) or in areas with intense air circulation (draughts).

## Technical information:

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| **Power** | 2x alkaline batteries, type LR6 (AA) 1.5 V<br>Note: Batteries are not included. |
| **Typical battery life** | approximately 4 years |
| **Low battery voltage** | <2.4 V |
| **Nominal current consumption** | 36 µA |
| **Maximum current consumption** | 50 mA |
| **Communication frequency** | 868.1 MHz, JABLOTRON protocol |
| **Maximum radio-frequency power (ERP)** | <25 mW |

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| **Communication range** | approx. 500 m (open terrain) |
| **Recommended installation height** | 2.2 to 2.5 m above floor level |
| **Detection angle / detection coverage** | 110 ° / 12 m (with basic lens) |
| **Dimensions** | 60.8 x 97.5 x 51.8 mm |
| **Weight (without batteries)** | 82 g |
| **Classification** | security grade 2 / environment class II (according to EN 50131-1) |
| **Environment** | Indoor general |
| **Operating temperature range** | -10 °C to +40 °C |
| **Average operating humidity** | 75 % RH, non-condensation |
| **Certification body** | Trezor Test s.r.o. (No. 3025), Kiwa Nederland b. v. |
| **Complies with** | EN 50131-2-2, EN 50131-5-3, EN 50131-6, EN 50130-4, ETSI EN 300 220-2, EN 55032, EN IEC 62368-1, EN IEC 63000, T 031 |
| **Operating conditions according to general authorisation** | ERC REC 70-03 |
| **Recommended screw** | 2x ø 3.5 x 40 mm (countersunk head) |